

GWP ToolBox Seminar

Managerial capacity for IWRM
planning of Transition to IWRM- road
maps and action planning instruments

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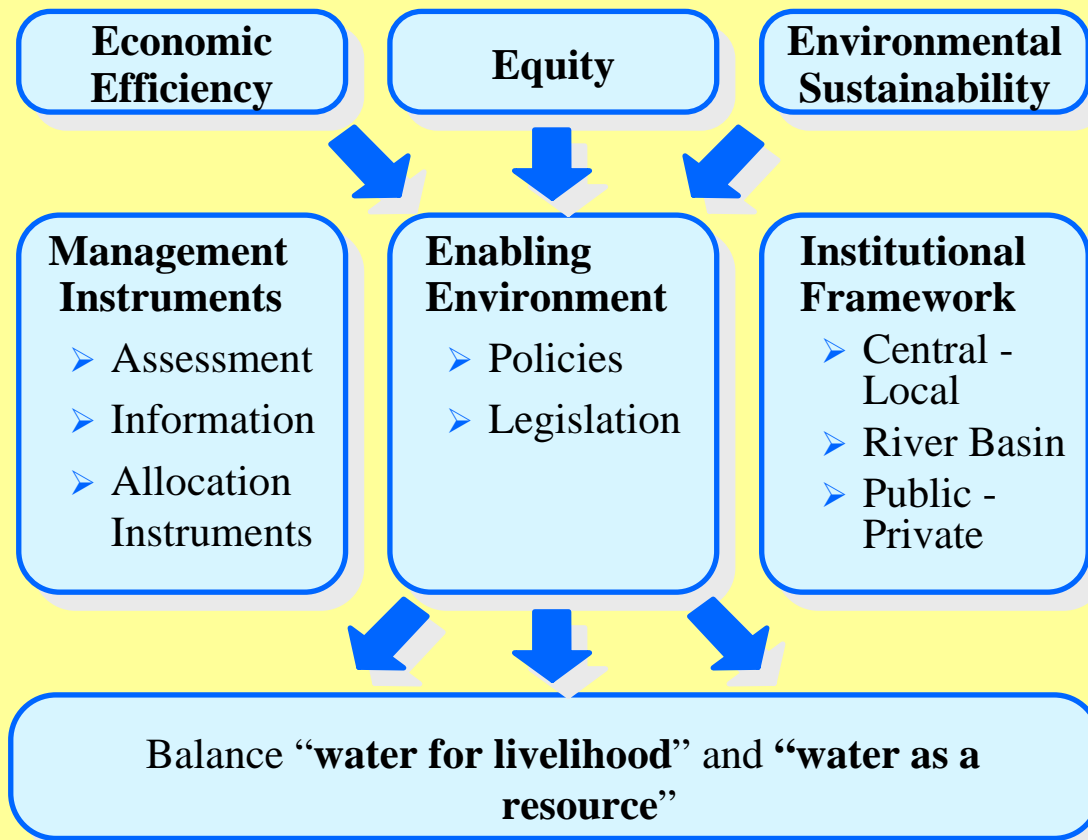
Regional programme coordinator, UCC Water



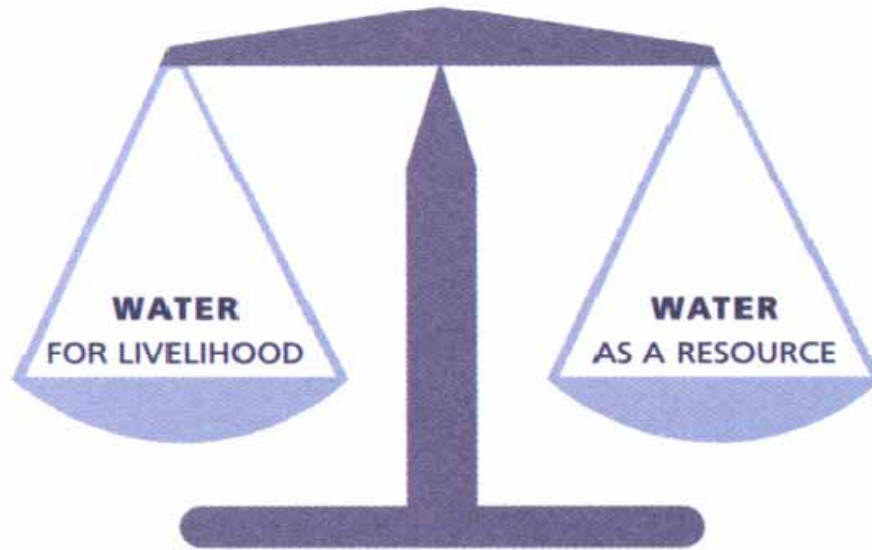
WHY IWRM?
**What capacities are
needed**



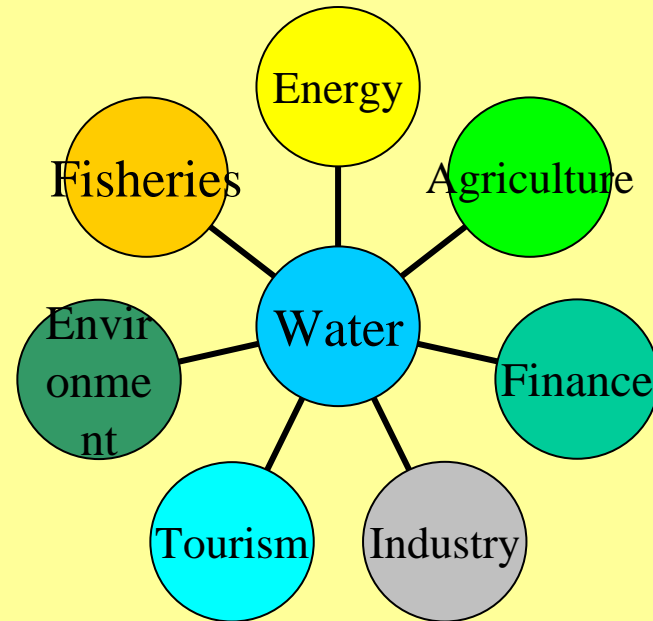
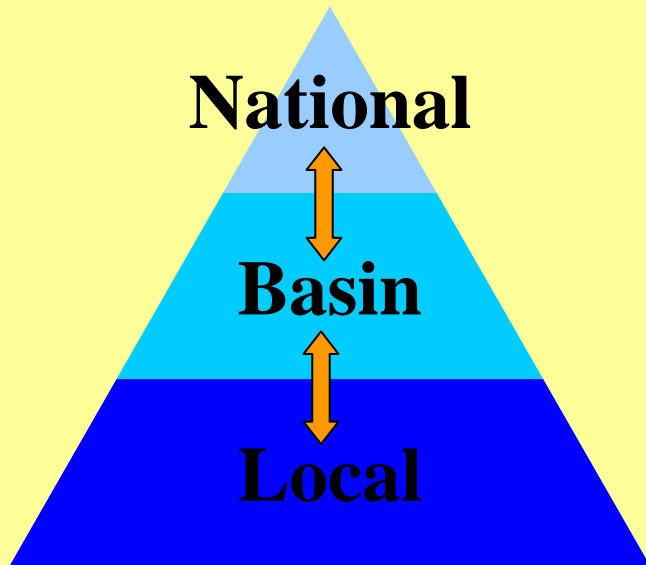
IWRM: Managing water for society



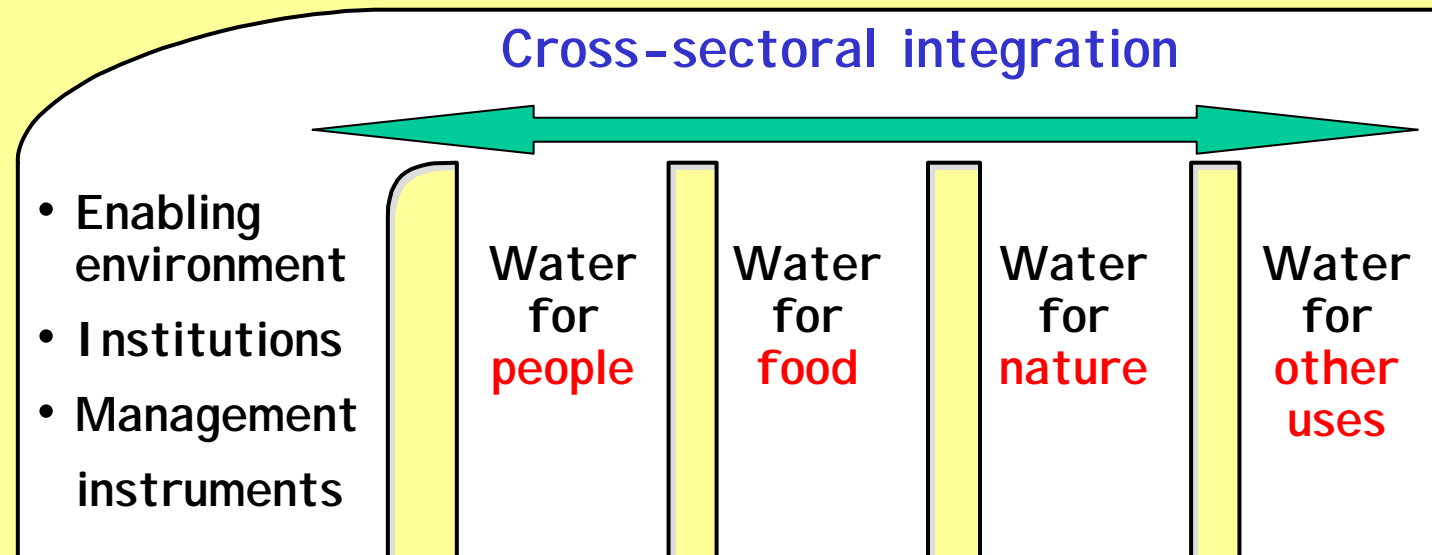
A DELICATE BALANCE



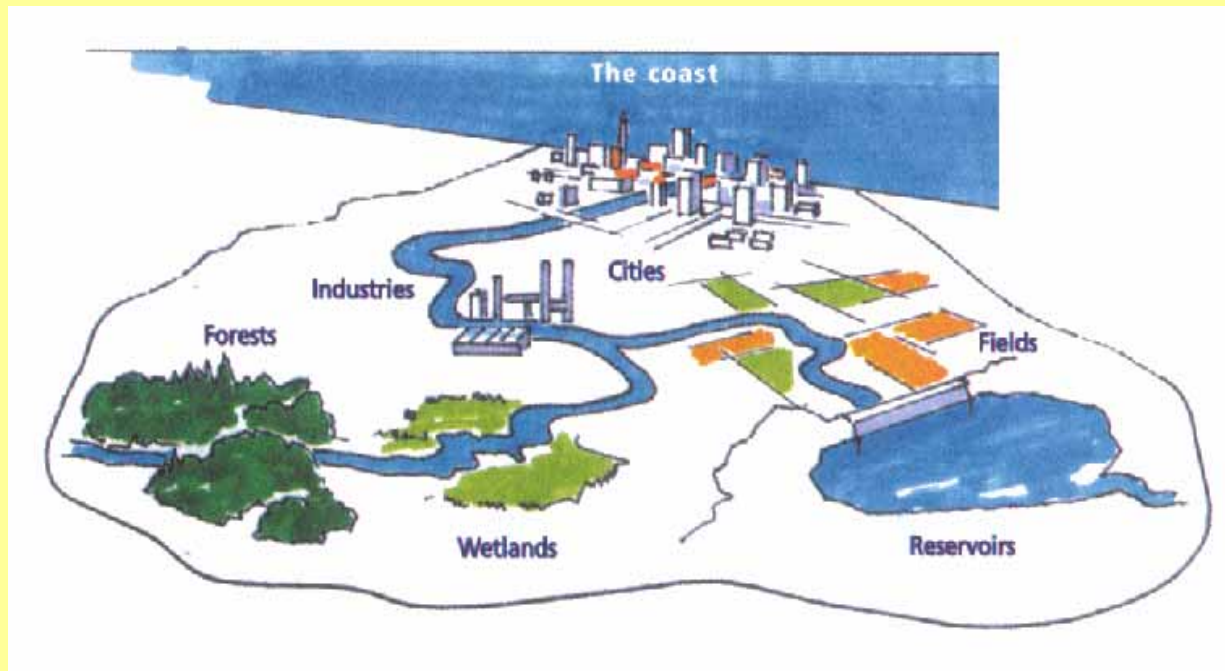
Integrating across levels and sectors



Managing competing uses



Respecting the basin



WATER AND NATURE

**a particular issue for capacity
building**

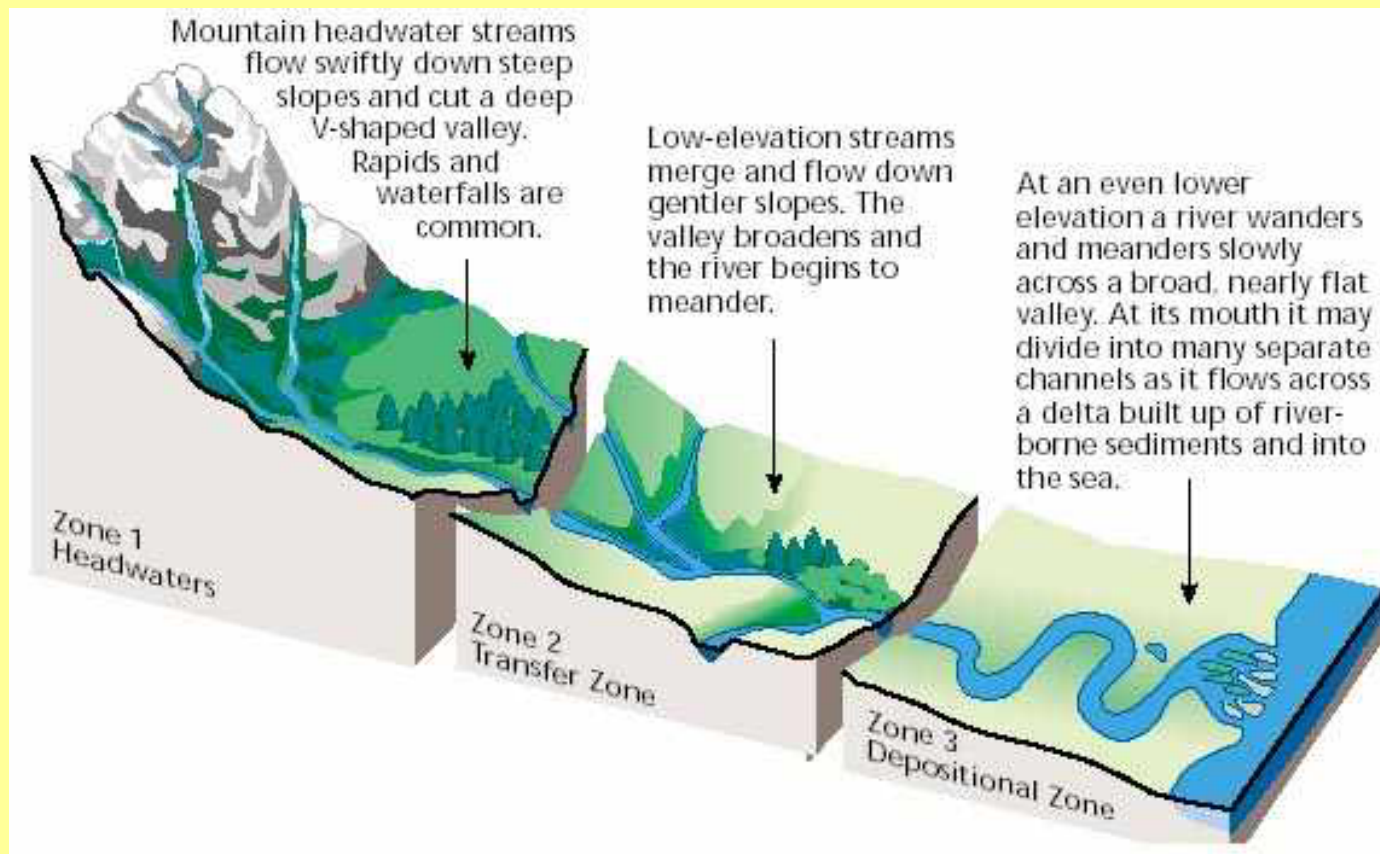


The environmental dimension of IWRM



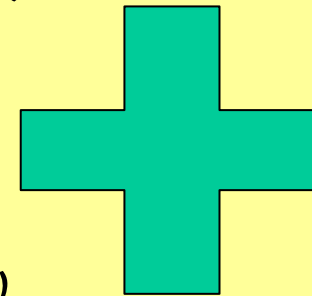
Source: The Economist

Ecosystems: H-2-O



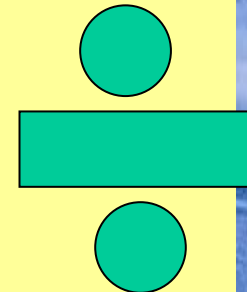
The Benefits Ecosystem Goods and Services

- **Environmental Goods**
 - *Water supply (Surface/groundwater)*
 - *Hydropower*
 - *Fish and Prawn (Fresh- and coastal Water)*
 - *Non-irrigated crops (Soil water)*
 - *Timber and fiber*
- **Environmental Services**
 - *Waste processing (sewage and sediment)*
 - *Water borne decease control*
 - *Flood and storm surge/tsunami retention*
 - *Recreation and tourism*



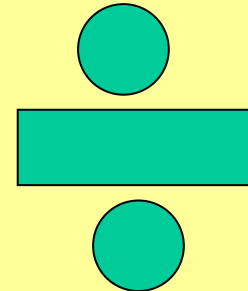
The Costs Ecosystem depletion

- **Pollution**
 - *Waste water*
 - *Toxic substances (industry, mining and pesticides)*
 - *Waterborne diseases*
 - *Sedimentation, eutrophication and alien species*
- **Infrastructure**
 - *Drainage projects*
 - *Reservoirs*
 - *Water ways*
 - *Flood protection*



The Costs Ecosystem depletion

- Land use practices
 - *Logging*
 - *Mining*
 - *Agricultural expansion (irrigated and up-land cropping)*
 - *Inappropriate fishing practices*
 - *Waterborne diseases*



**IWRM PLANS? What
are the managerial needs**



What is the WSSD target?

The Plan of Implementation adopted by WSSD in Johannesburg, 2002, calls for all countries to:

“Develop integrated water resources management and water efficiency plans by 2005, with support to developing countries”



Why such IWRM plans ?

Two good reasons:

- Instrument to mainstream water in national economy and development
- Instrument to help achieving the Millennium Development Goals (MDG´s) by 2015: on poverty, hunger, health and environment
 - i.e. not just target 10 on water supply and sanitation!



Why this target? What is the message?

Translate IWRM into ...

...concrete plans by a specific date (2005)!

- All countries - not just the poor and dry!
- Focus on the MDG's in the poorest countries
- Focus on ecological status in the richest (EU)

**But careful: Not traditional "plans"...!
Not completion by 2005..!**



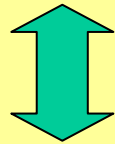
Some other messages in Art. 26

- The basin should be the basic unit for integrating management.
- Priority to meeting basic human needs, particularly the poor.
- Balancing ecosystem needs with the needs of other water users.
- Stakeholder participation and capacity building
- Accountability of public and private organisations



Link to other strategies and plans

IWRM strategy and plans



National MDG strategies

National poverty reduction strategy papers (PRSPs)

National 5-year plans

National sustainable development strategies

National biodiversity Strategy and Action Plans

etc.etc.

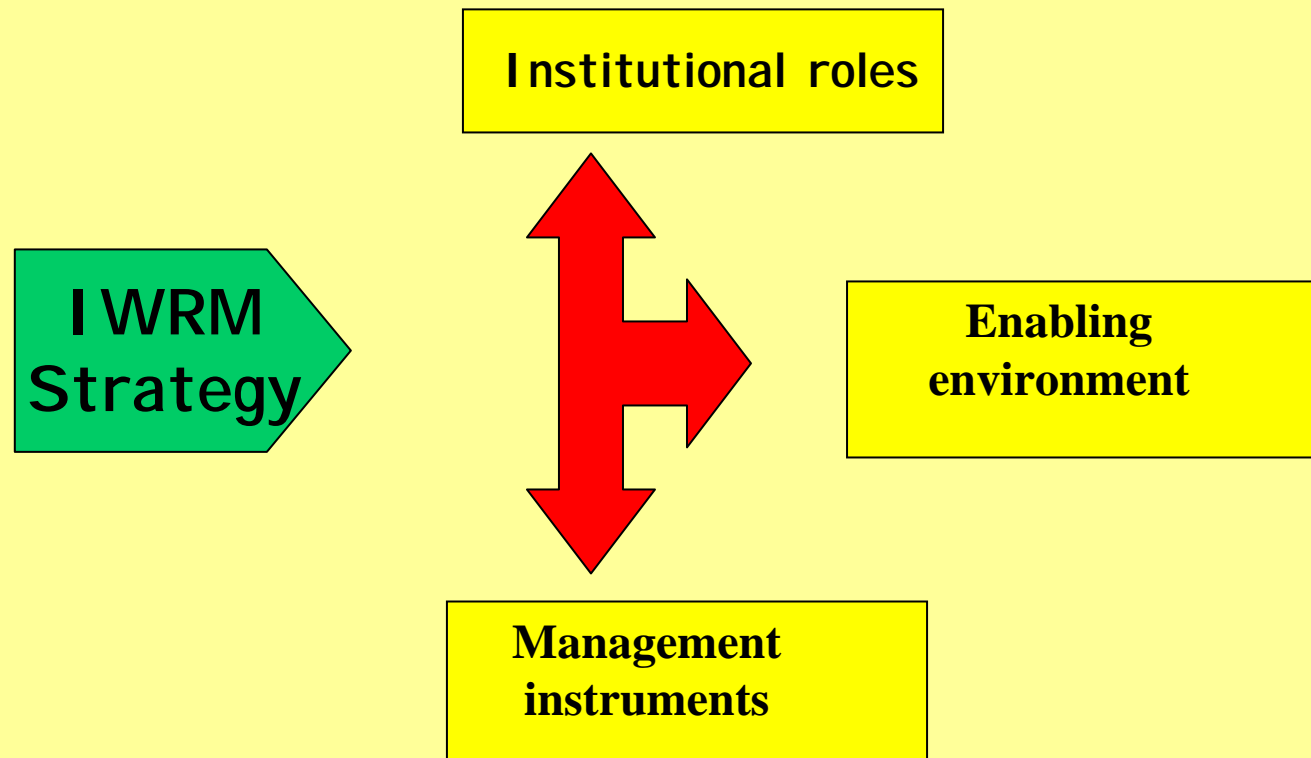
-including NAP's (next presentation)



**Developing and
implementing the
“IWRM PLANS”?**



A strategy for change ..



A plan (the "IWRM Plan") for the strategy

including...

- *both* development (infrastructure) and management
 - *both* resource management and service delivery
- and
- "water efficiency" as an integral element

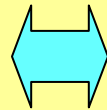


Water Efficiency:

- an integral part of IWRM

EFFICIENCY

Use efficiency
Recycling/reuse
Supply efficiency
'Economic/societal'
efficiency



PLAN

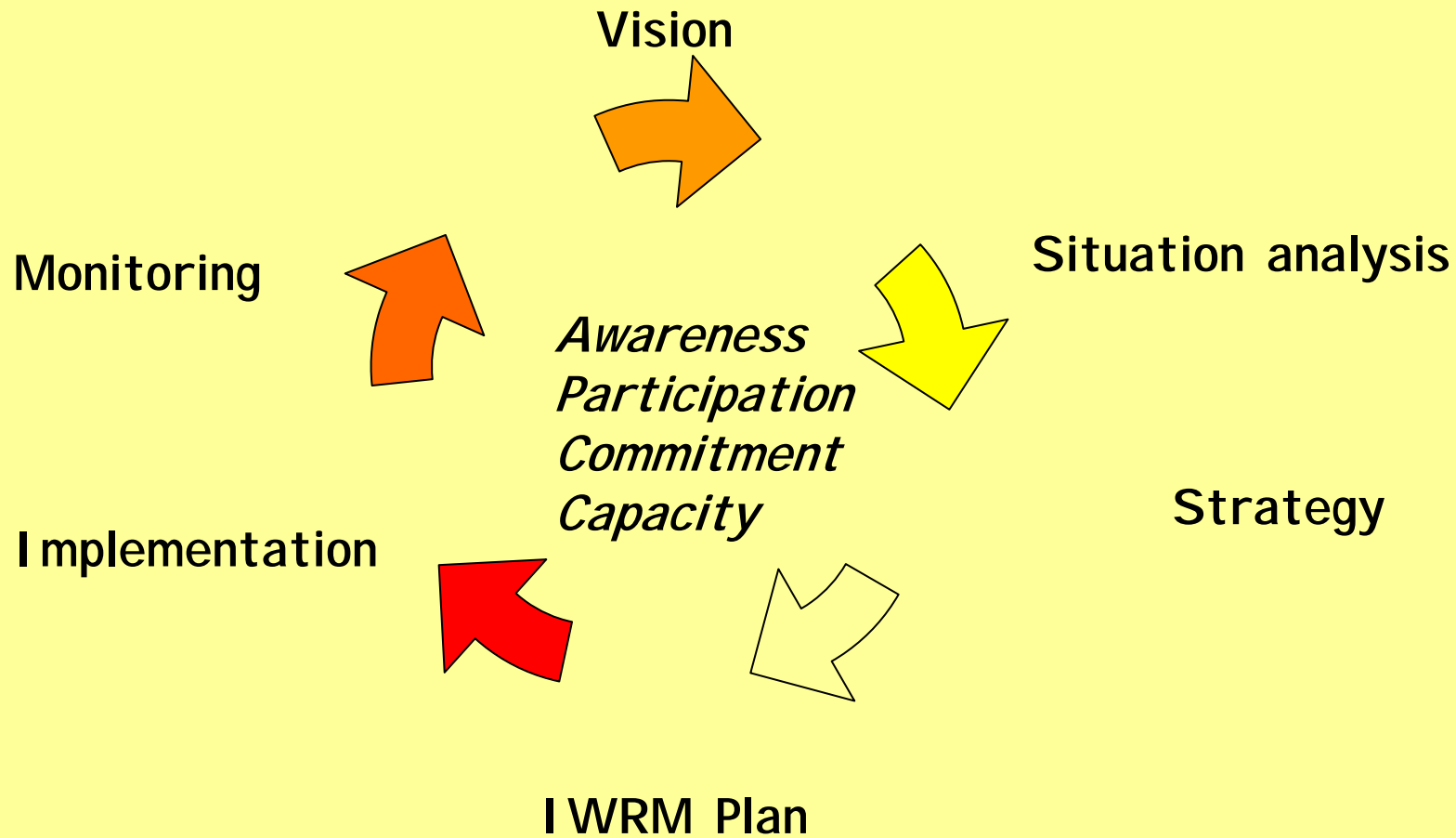
Awareness
Incentives
Technologies
Policies
Financing



**IWRM PLANS:
implementation and
planning capacities**



IWRM planning: A cyclic process!



**The elements of the process:
... one by one...**



Building awareness and commitment

- Government commitment
- Awareness
- Management Team
 - the national government: the 'owner'
 - a Steering committee
 - a facilitating institution
 - a day-to-day management team



Vision development

- A vision – why and what?
- Existing visions and policies
- Stakeholder views
- Political commitment



Situation analysis

- Water resources assessment
- Governance framework
- Existing policies and plans
- Stakeholder concerns
 - livelihood/demand issues
 - resource-impact issues



Strategy development

- Vision to policy
- Strategic goals
- IWRM change areas
 - Enabling environment
 - Institutional roles
 - Management instruments



IWRM Planning

- Implementation framework
 - how to meet the strategic goals
- Portfolio of projects
 - with time schedules and costs
 - actions and planning in parallel!
- Financing



Implementation

Framework for IWRM

- *enabling environment*
- *institutional roles*
- *management instruments*

Framework for water infrastructure development

Framework for water and sanitation service delivery

Framework for water efficiency improvements

- **as basis for concrete actions!**



Evaluation and monitoring

Assessment through indicators for IWRM

- *process indicators*
- *performance indicators*
- *impact indicators*

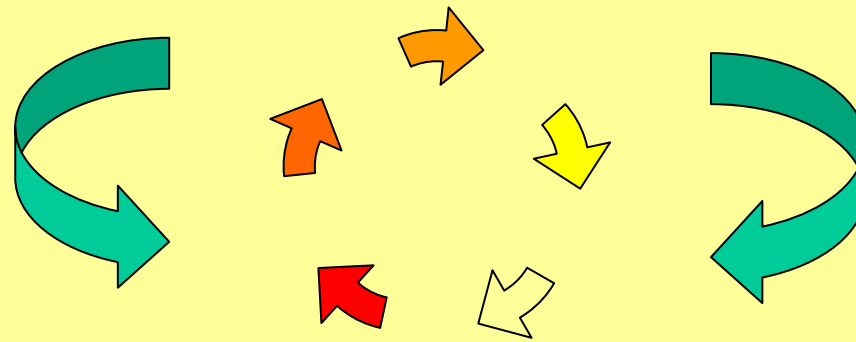
Feed-back to planning => ongoing revisions



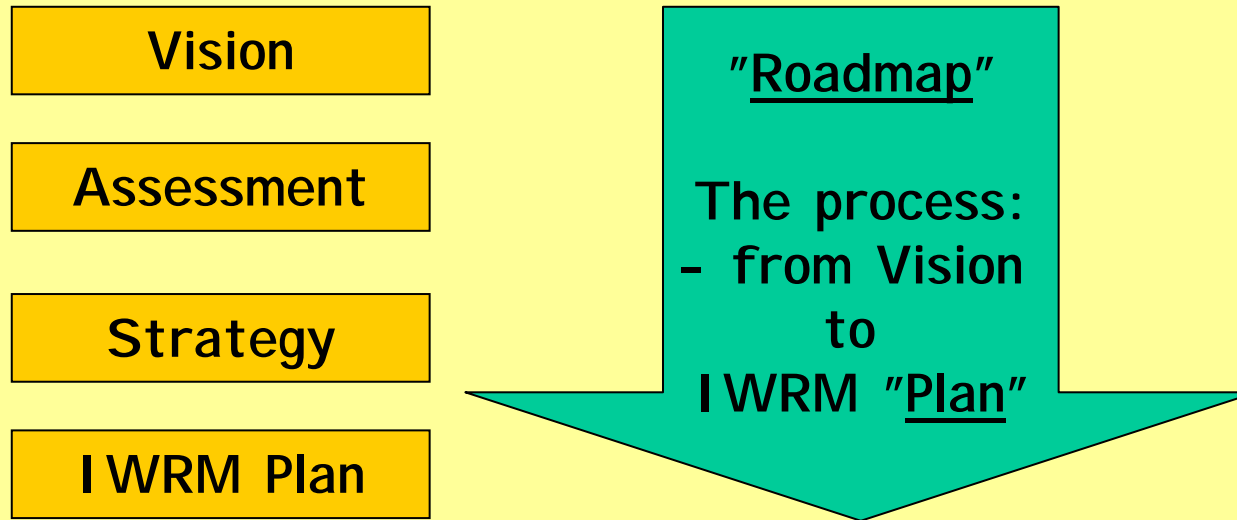
**Developing ROADMAPs
as a step towards IWRM**



Concrete steps required: Working groups Thursday



Roadmap: Plan for the process



Roadmap question 1: Where are we?

Where is the country in the planning loop?

- Vision stage?
- Situation analysis?
- Policy and strategy development?
- IWRM plan?



Roadmap question 2: What are the constraints?

Lack of awareness and political will?

- Elected representatives and government
- Stakeholders

Lack of capacity?

- Technical
- Managerial
- Financial



Roadmap question 3: What actions needs to be taken?

More detailed problem assessment?

Awareness raising through workshops/TA?

- Political, managerial, stakeholder levels

Targeted capacity building to these levels?

Resource mobilisation?

- Local and external

Technical assistance?



Roadmap question 4: What will such actions require?

Time frame and budgets:

- Who - what - how - how much?

Expected assistance

Short term, longer term

